

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051454

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/44 G01N33/569 A61K39/018

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K G01N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBL, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FUKUMOTO SHINYA ET AL: "Identification and expression of a 50-kilodalton surface antigen of Babesia gibsoni and evaluation of its diagnostic potential in an enzyme-linked immunosorbent assay" JOURNAL OF CLINICAL MICROBIOLOGY, vol. 39, no. 7, July 2001 (2001-07), pages 2603-2609, XP002304757 ISSN: 0095-1137 figure 1 ----- -/--	1-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

26/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DELBEQ S ET AL: "BABESIA DIVERGENS: CLONING AND BIOCHEMICAL CHARACTERIZATION OF BD37" PARASITOLOGY, CAMBRIDGE UNIVERSITY PRESS, LONDON, GB, vol. 125, no. 4, October 2002 (2002-10), pages 305-312, XP008012754 ISSN: 0031-1820 abstract page 305, column 2, line 6 - line 11 figure 1</p>	1-21
A	<p>CARCY B ET AL: "A 37-kilodalton glycoprotein of Babesia divergens is a major component of a protective fraction containing low-molecular-mass culture-derived exoantigens" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, US, vol. 63, no. 3, March 1995 (1995-03), pages 811-817, XP002116987 ISSN: 0019-9567 the whole document</p>	1-21
A	<p>CARRET CELINE ET AL: "Characterization and molecular cloning of an adenosine kinase from Babesia canis rossi" EUROPEAN JOURNAL OF BIOCHEMISTRY, BERLIN, DE, vol. 265, no. 3, November 1999 (1999-11), pages 1015-1021, XP002190950 ISSN: 0014-2956 abstract figure 1</p>	1-21
A	<p>EP 0 417 524 B (COMMW SCIENT IND RES ORG) 20 March 1991 (1991-03-20) figure 6 page 3 - page 8</p>	1-21
A	<p>EP 1 050 541 A (AKZO NOBEL NV) 8 November 2000 (2000-11-08) abstract figure 1 examples 1-3</p>	1-21
A	<p>EP 1 238 983 A (AKZO NOBEL NV) 11 September 2002 (2002-09-11) figures 2,3 page 8 - page 11</p>	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051454

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0417524	B	20-03-1991	AT 122096 T	15-05-1995
			AU 640398 B2	26-08-1993
			AU 6124690 A	28-02-1991
			DE 69019092 D1	08-06-1995
			EP 0417524 A1	20-03-1991
			IE 903038 A1	27-02-1991
			ZA 9006667 A	26-06-1991
EP 1050541	A	08-11-2000	EP 1050541 A1	08-11-2000
			HU 0001701 A2	29-06-2002
			NO 20002213 A	30-10-2000
EP 1238983	A	11-09-2002	EP 1238983 A1	11-09-2002
			HU 0200832 A2	28-01-2003
			JP 2002360285 A	17-12-2002
			US 2003165872 A1	04-09-2003
			ZA 200201446 A	02-09-2002